

TURBOCOMPT

Measuring system specially designed for road tanker, rail tank truck loading and ship refueling

► Application

- Custody transfer application for road tanker, rail tank truck or ship
- On top / bottom loading skid installation
- Petroleum liquid with viscosity ≤ 13 cSt

Constitution

TURBOCOMPT (MID)

- Strainer with adaptable meshing
- Upstream integrated flow conditioner
- Adriane turbine meter DN 50-50, DN 80-80, DN 100-80 or DN 100-150
- Size available: 2", 3", 4"
- Straight downstream pipe
- Flow control valve
- ALMA Microcompt+ electronic calculator-indicator

Options :

- Gas separator DN80-80 or DN100-150
- Automatic gas sensor and purger solenoid valve
- Loading arm or metal-reinforced rigid hose, with calibrated valve
- Taps for pressure or temperature
- PT100 temperature sensor
- One or more automatic vent valves



With Gas Separator

Without Gas Separator

ALMA advantages

- **Material in conformity with Measuring Instruments Directive 2004/22/EC (MID)**
- Compact size
- Easy integration into all types of skids
- Control of additive injection, blending and coloration
- High accuracy, repeatability and long life reliability
- Very low pressure drop for optimum flow rate
- TAS connection available under Modbus RS485

► ALMA, certified products



ATEX Conformity
Zone 1



ISO 9001 : 2008



European Certifications in accordance with directives concerning measuring instruments and equipments installed in explosive area

► **Technical specifications**

Turbocompt	TC 50	TC 80	TC 150
Turbine Meter Type	Adriane DN 50-50	Adriane DN 80-80 or Adriane DN 100-80	Adriane DN 100-150
Accuracy Class	0.5 %		
Metered Liquids	Liquid hydrocarbons except LPG), industrial oils and fatty acid methyl esters for diesel engines, ethanol, methanol, AdBlue		
Maximum Kinematic Viscosity at Metering Conditions	10 mm ² /s	13 mm ² /s	
Indication Scale Interval	1 m ³ / 0.1 m ³ / 0.01 m ³ / 1L / 0.1L		
Minimum Flowrate	4 m ³ /h	8 m ³ /h	15 m ³ /h
Maximum Flowrate	50 m ³ /h	80 m ³ /h	150 m ³ /h
Temperature of Measured Liquids	-10°C to +50°C		
Relative Pressure of Measured Liquids	P min ≥ 0.3 bar P max ≤ 20 bar	P min ≥ atmospheric pressure P max ≤ 30 bar	
Minimum Measured Quantity	200 scale intervals	500 scale intervals	
Power Supply	230 V AC		

EC Type Examination Certificate N° LNE-22081 (MID)

Main Equipments



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